

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-98. (Canceled)

99. (Currently amended) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising [the] an amino acid sequence that is identical to the amino acid sequence of SEQ ID NO:91 except for the presence of ~~having~~ at least one amino acid change selected from the group consisting of:

- (a) a [Phe] phenylalanine changed to valine, leucine, isoleucine, or methionine a ~~Group 2 amino acid residue~~ at position 31;
- (b) a [Gln] glutamine changed to lysine, arginine or histidine a ~~Group 5 amino acid residue~~ at position 41;
- (c) a [Thr] threonine changed to valine, leucine, isoleucine, or methionine a ~~Group 2 amino acid residue~~ at position 52;
- (d) a [Thr] threonine changed to aspartic acid, glutamic acid, asparagine or glutamine a ~~Group 3 amino acid residue~~ at position 52;
- (e) a [Cys] cysteine changed to lysine, arginine or histidine a ~~Group 5 amino acid residue~~ at position 73;
- (f) a [Pro] proline changed to serine, threonine or cysteine a ~~Group 4 amino acid residue~~ at position 101;
- (g) a [Pro] proline changed to aspartic acid, glutamic acid, asparagine or glutamine a ~~Group 3 amino acid residue~~ at position 101;
- (h) a [Val] valine changed to leucine, isoleucine, or methionine a ~~Group 2 amino acid residue other than Val~~ at position 111;

- (i) a [Ser] serine changed to valine, leucine, isoleucine, or methionine ~~a Group 2 amino acid residue~~ at position 133;
- (j) a [Glu] glutamic acid changed to valine, leucine, isoleucine, or methionine ~~a Group 2 amino acid residue~~ at position 141;
- (k) a [Glu] glutamic acid changed to lysine, arginine or histidine ~~a Group 5 amino acid residue~~ at position 141;
- (l) a [Cys] cysteine changed to phenylalanine, tyrosine or tryptophan ~~a Group 6 amino acid residue~~ at position 153;
- (m) a [Cys] cysteine changed to lysine, arginine or histidine ~~a Group 5 amino acid residue~~ at position 153;
- (n) a [Thr] threonine changed to glycine, alanine or proline ~~a Group 1 amino acid residue~~ at position 281;
- (o) a [Asn] asparagine changed to valine, leucine, isoleucine, or methionine ~~a Group 2 amino acid residue~~ at position 367;
- (p) a [Asn] asparagine changed to phenylalanine, tyrosine or tryptophan ~~a Group 6 amino acid residue~~ at position 367;
- (q) a [Pro] proline changed to serine, threonine or cysteine ~~a Group 4 amino acid residue~~ at position 389; and
- (r) a [Pro] proline changed to valine, leucine, isoleucine, or methionine ~~a Group 2 amino acid residue~~ at position 389.

100. (Original) The isolated nucleic acid molecule of claim 99 wherein the polypeptide when expressed in an *A. terreus* cell harboring a *lovF* gene increases expression of the *lovF* gene relative to an otherwise identical cell not expressing the polypeptide.

101. (Original) The isolated nucleic acid molecule of claim 99 wherein the polypeptide when expressed in an *S. cerevisiae* cell-harboring a gene under the control of the *A.*

*terreus* lovF expression control region increases expression of the gene relative to an otherwise identical cell not expressing the polypeptide.

102. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [F31L] phenylalanine changed to leucine at position 31.

103. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [Q41K or Q41R] glutamine changed to lysine or arginine at position 41.

104. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [T52I] threonine changed to isoleucine at position 52.

105. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [T52N] threonine changed to asparagine at position 52.

106. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [C73R] cysteine changed to arginine at position 73.

107. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [P101S] proline changed to serine at position 101.

108. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [P101Q] proline changed to glutamine at position 101.

109. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [V111I] valine changed to isoleucine at position 111.

110. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change S133L serine changed to leucine at position 133.

111. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [E141V] glutamic acid changed to valine at position 141.

112. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [E141K] glutamic acid changed to lysine at position 141.

113. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [C153Y] cysteine changed to tyrosine at position 153.

114. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [C153R] cysteine changed to arginine at position 153.

115. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [T281A] threonine changed to alanine at position 281.

116. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [N367I] asparagine changed to isoleucine at position 367.

117. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [N367Y] asparagine changed to tyrosine at position 367.

118. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [P389S] proline changed to serine at position 389.

119. (Currently amended) The isolated nucleic acid molecule of claim 99 wherein the polypeptide ~~has~~ includes the amino acid change [P389L] proline changed to leucine at position 389.

120. (Currently amended) An isolated nucleic acid molecule ~~The isolated nucleic acid molecule of claim 99~~ comprising a nucleotide sequence selected from the group consisting of: SEQ ID NO:66, SEQ ID NO:67, SEQ ID NO:68, SEQ ID NO:69, SEQ ID NO:70, SEQ ID NO:71, SEQ ID NO:72, SEQ ID NO:73, SEQ ID NO:74, SEQ ID NO:75, SEQ ID NO:76, SEQ ID NO:77, SEQ ID NO:78, SEQ ID NO:79, SEQ ID NO:80, SEQ ID NO:81, SEQ ID NO:82, SEQ ID NO:83, SEQ ID NO:84, SEQ ID NO:85, SEQ ID NO:86, SEQ ID NO:87, SEQ ID NO:88, SEQ ID NO:89, and SEQ ID NO:90.

121. The isolated nucleic acid molecule of claim 99 wherein the nucleotide sequence encoding the polypeptide is contiguous.

122. (Canceled)

123. A fungal cell containing a recombinant nucleic acid molecule comprising the nucleic acid molecule of claim 99.

124. (Currently amended) The fungal cell of claim 123 [121 or 122] wherein the fungus is *A. terreus*.

125. (Currently amended) The fungal cell of claim [122 or] 123 wherein the fungus is *S. cerevisiae*.

126. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a phenylalanine changed to valine, leucine, isoleucine, or methionine at position 31.

127. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a glutamine changed to lysine, arginine or histidine at position 41.

128. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a threonine changed to valine, leucine, isoleucine, or methionine at position 52.

129. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the

presence of a threonine changed to aspartic acid, glutamic acid, asparagine or glutamine at position 52.

130. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a cysteine changed to lysine, arginine or histidine at position 73.

131. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a proline changed to serine, threonine or cysteine at position 101.

132. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a proline changed to aspartic acid, glutamic acid, asparagine or glutamine at position 101.

133. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a valine changed to leucine, isoleucine, or methionine at position 111.

134. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a serine changed to valine, leucine, isoleucine, or methionine at position 133.

135. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a glutamic acid changed to valine, leucine, isoleucine, or methionine at position 141.

136. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a glutamic acid changed to lysine, arginine or histidine at position 141.

137. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a cysteine changed to phenylalanine, tyrosine or tryptophan at position 153.

138. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a cysteine changed to lysine, arginine or histidine at position 153.

139. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a threonine changed to glycine, alanine or proline at position 281.

140. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of an asparagine changed to valine, leucine, isoleucine or methionine at position 367.

141. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of an asparagine changed to phenylalanine, tyrosine or tryptophan at position 367.

142. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a proline changed to serine, threonine or cysteine at position 389.



143. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:91 except for the presence of a proline changed to valine, leucine, isoleucine, or methionine at position 389.

144. (New) A vector comprising the isolated nucleic acid molecule of claim 99.

145. (New) The vector of claim 144, wherein the vector is an expression vector.